

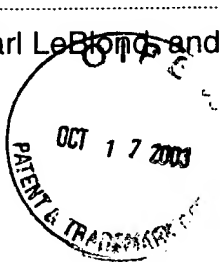
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Yongkui Sun, Carl LeBlond and John  
R. Sowa, Jr.

Serial No. 09/909,244

Filed: July 16, 2001

For: Heterogeneous Catalyzed Process For Cross  
Coupling Aryl Chlorides With Aryl Boronic  
Acids



DOCKETED

SEP 14 2001

Art Unit: Unknown

LINDA ZEHRER

Examiner: Unknown

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of

patents, publications or other information which are requested to be made of record in this application.

This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

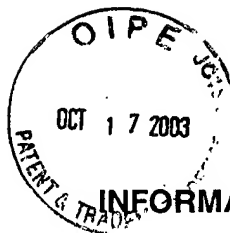
2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date appearing below.

MERCK & CO., INC.

By David Hecker Date 9/14/01

**INFORMATION DISCLOSURE STATEMENT**

4. Copies of the references listed on the attached form are not enclosed because they have been submitted to or cited by the Office in a related application as follows:

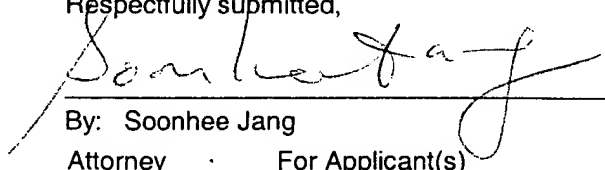
U. S. SERIAL NUMBER	RELATED APPLICATION	
	FILING DATE	MERCK CASE

upon which the instant application relies for an earlier filing date under 35 U.S.C. 120. Therefore, pursuant to 37 C.F.R. 1.98(d), copies of these references are not enclosed herewith. If this is inconvenient, additional copies will be submitted upon request.

5. In accordance with 37 C.F.R. 1.97, (check one)

- ☒ the attached information is filed within three months of the filing date of the captioned case.
- ☐ the attached information is filed more than three months after the filing date but prior to a first Official Action on the merits.
- ☐ the attached information is being filed more than three months after the filing date and after receipt of the first Office Action on the merits, but before Final Action or Notice of Allowance. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).
- ☐ the undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of the statement.

Respectfully submitted,

  
 By: Soonhee Jang  
 Attorney For Applicant(s)

Reg. No. 44,802  
 MERCK & CO., INC.  
 Patent Dept., RY60-30  
 P.O. Box 2000  
 Rahway, N.J. 07065-0907  
 (732)594- 1588  
 Date: September 14, 2001

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

ON DISCLOSURE  
 BY APPLICANT  
 OCT 17 2003  
 (as necessary)  
 PATENT & TRADE

**PLETE IF KNOWN**

<b>Application Number</b>	09/909,244
<b>Filing Date</b>	July 16, 2001
<b>First Named Inventor</b>	Yongkui Sun, et al.
<b>Group Art Unit</b>	Unknown
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	20680Y

Sheet	1	of	1
-------	---	----	---

## OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
--------------------	----------	--

Marck, G., et al., *Tetrahedron Letters*, Vol. 35, pp. 3277-3280, 1994

Gala, D., et al., M. Org. Proc. Res. Dev., Vol. 1, pp. 163-164, 1997

Xiaohong Bei, et al., *Tetrahedron Letters*, Vol. 40, pp. 3855-3858, 1999

Chunming Zhang, et al., J. Org. Chem., Vol. 64, pp. 3804-3805, 1999

John P. Wolfe, et al., J. Am. Chem. Soc., Vol. 121, pp. 9550-9561, 1999

Adam F. Littke, et al., *Angew. Chem. Int. Ed.*, Vol. 37, pp. 3387-3388, 1998

Abstract of JP2000336045, Goto, Yasuyuki, et al., "Method For Preparation of Biaryl Derivatives By Coupling Reaction On Arylboronic Acids, 2000

Examiner  
Signature

Date  
Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.



B

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>Applicant:</b>	Sun et al.		
<b>Serial No.:</b>	09/906,344	<b>Case No.:</b>	20680Y
<b>Filed:</b>	July 16, 2001		
<b>For:</b>	Heterogeneously Catalyzed Process for Cross Coupling Aryl Chlorides with Aryl Boronic Acids		

Art Unit  
1621

**Auth. Off.:**  
Elvis O. Price

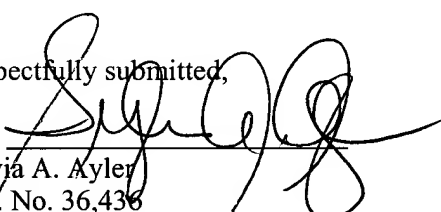
Commissioner for Patents  
Alexandria, VA 22313-1450

Letter

Sirs:

Thank you for the Notice of Allowance of October 2, 2003, for the above noted case. We have not received a Notice of References Cited (PTO Form 892) form acknowledging the references that were cited in the IDS that was sent September 14, 2001 (see attached copy). Kindly, provide a PTO Form 892 that indicated the references cited by Applicants as well as those cited by your office.

Respectfully submitted,

By:   
Sylvia A. Ayler  
Reg. No. 36,436  
Attorney for Applicant

MERCK & CO., INC.  
P.O. Box 2000  
Rahway, New Jersey 07065-0907  
(732) 594-4909

Date: October 15, 2003

CERTIFICATE OF MAILING  
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, ALEXANDRIA, VA 22313-1450, ON THE DATE APPEARING BELOW.

BY:  DATE: 10/15/03  
MERCK & CO., INC.

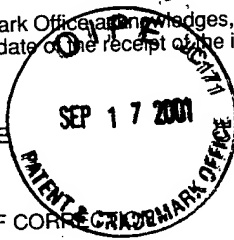


**P&T OFFICE ACKNOWLEDGEMENT**

ATTORNEY Soonhee Jang		DATE 9-14-2001
CASE NUMBER/ 20680Y	SERIAL NUMBER 09/909,244	
DATE FILED July 16, 2001		
APPLICANT Yongkui Sun, et al.		
EXPRESS MAIL NO.		

The Patent & Trademark Office acknowledges, and has stamped hereon, the date of the receipt of the items checked below:

- ☐ AMENDMENT
- ☐ APPEAL AND FEE
- ☐ ASSIGNMENT
- ☐ BRIEF
- ☐ CERTIFICATE OF CORRECTION
- ☐ FINAL FEE
- ☐ LETTER
- ☐ REQUEST FOR F.F. LICENSE
- ☒ INFORMATION DISCLOSURE STATEMENT
- ☒ PTO 1449 & REFERENCES (7 refs.)
- ☐ PETITION FOR EXTENSION OF TIME & FEE
- ☐ INVITATION TO CORRECT
- ☐ DEMAND-CHAPTER II & FEE SHEET



DOCKETED  
SEP 25 2001  
HARRIS REI